

a plurality of buffers for storing the state information regarding a plurality of channels predicted by means of a plurality of the field syncs;

a calculating section for calculating a difference between the state information regarding the N number of channels stored in the N number of buffers, wherein N is a natural number; and
a judging section for judging the channel state on the basis of the calculated difference.

3. (original): The digital communication system as claimed in claim 2, wherein the judging section judges the channel states by means of a threshold value applied to the calculated difference.

4. (original): The digital communication system as claimed in claim 1, wherein ^{each} the field sync is a PN sequence.

5. (currently amended): An operation method in a digital communication system, the method comprising the steps of:

(1) judging a channel states of an inputted signal by means of a field sync of the inputted signal; and

(2) compensating for a channel distortion of the inputted signal by initializing a parameter on the basis of the judged channel state,

wherein the channel state is one of a static state and a dynamic state.

6. (currently amended): ~~The method as claimed in claim 5~~ An operation method in a digital communication system, the method comprising the steps of:

(1) judging a channel state of an inputted signal by means of a field sync of the inputted signal; and

(2) compensating for a channel distortion of the inputted signal by initializing a parameter on the basis of the judged channel state,

wherein step (1) comprises the steps of:

(a) predicting the channel states of an the inputted signal by means of a the field sync;

(b) storing a-state information regarding N number of channels predicted by means of N number of the field syncs in N number of buffers, wherein N is a natural number;

(c) calculating a difference between the state information regarding the N number of the channels stored in the N number of the buffers; and

(d) judging the channel state on the basis of the calculated difference.

7. (currently amended): The method as claimed in claim 6, wherein, in step (d), the channel state is judged by means of a threshold value applied to the calculated difference.

8. (original): The method as claimed in claim 5, wherein ^{each} the field sync is a PN sequence.